

Docket No. AUS920010059US1

CLAIMS:

What is claimed is:

- 5 1. A method in a client computer system coupled to a server computer system for efficiently retrieving information, said server computer system including a database storing a plurality of data items and unique information associated with each one of said plurality of
- 10 data items, said method comprising the steps of:
- displaying, on said client computer system, a data entry form which includes a plurality of fields;
- receiving input data for one of said plurality of fields, said input data being one of said plurality of
- 15 data items;
- retrieving information related to said one of said plurality of data items from said data entry form without accessing said database; and
- displaying said information utilizing said data
- 20 entry form.
2. The method according to claim 1, further comprising the steps of:
- storing, utilizing said server computer system, a
- 25 plurality of data items in a first field which is hidden in said data entry form, said first field being invisible to users; and
- storing, utilizing said server computer system, unique information associated with said plurality of data
- 30 items in a second field which is hidden in said data entry form, said second field being invisible to users.

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3. The method according to claim 2, further comprising the steps of:

creating, utilizing said server computer system, a string of data items, said string of data items including
5 said plurality of data items, each one of said plurality of data items being separated by delimiters, wherein each one of said plurality of data items is located in a particular position within said string of data; and

creating, utilizing said server computer system, a
10 string of information, said string of information including said information associated with each one of said plurality of data items, wherein said information in said string of information is separated by delimiters, further wherein each said information is located in a
15 particular position within said string of information which corresponds to a position within said string of data where one of said plurality of data items which is associated with each said information is located.

20 4. The method according to claim 3, further comprising the steps of:

determining a position within said string of data of a first one of said plurality of data items;

utilizing said position to determine an index; and
25 locating information associated with said first one of said plurality of data items utilizing said index.

5. The method according to claim 4, further comprising the steps of:

30 determining said position within said string of data of said first one of said plurality of data items

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utilizing a Java script executing on said client computer system;

utilizing said position to determine an index
utilizing said Java script executing on said client; and

5 locating information, utilizing said Java script
executing on said client, associated with said first one
of said plurality of data items utilizing said index.

6. The method according to claim 1, further comprising
10 the steps of:

requesting, utilizing said client computer system,
said data entry form from said server computer system;
and

15 downloading said data entry form from said server
computer system to said client computer system.

7. The method according to claim 1, further comprising
the steps of:

20 displaying said data entry form utilizing a web
browser executing on said client computer system; and
retrieving information related to said one of said
plurality of data items from said data entry form
utilizing a Java script executing on said client computer
system.

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8. A computer program product in a client computer
system coupled to a server computer system for
efficiently retrieving information, said server computer
system including a database storing a plurality of data
30 items and unique information associated with each one of

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said plurality of data items, said computer program product comprising:

- 5 instruction means for displaying, on said client computer system, a data entry form which includes a plurality of fields;
- instruction means for receiving input data for one of said plurality of fields, said input data being one of said plurality of data items;
- 10 instruction means for retrieving information related to said one of said plurality of data items from said data entry form without accessing said database; and
- instruction means for displaying said information utilizing said data entry form.

- 15 9. The product according to claim 8, further comprising:

instruction means for storing, utilizing said server computer system, a plurality of data items in a first field which is hidden in said data entry form, said first

20 field being invisible to users; and

instruction means for storing, utilizing said server computer system, unique information associated with said plurality of data items in a second field which is hidden in said data entry form, said second field being

25 invisible to users.

10. The product according to claim 9, further comprising:

instruction means for creating, utilizing said

30 server computer system, a string of data items, said string of data items including said plurality of data

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items, each one of said plurality of data items being separated by delimiters, wherein each one of said plurality of data items is located in a particular position within said string of data; and

- 5 instruction means for creating, utilizing said server computer system, a string of information, said string of information including said information associated with each one of said plurality of data items, wherein said information in said string of information is
- 10 separated by delimiters, further wherein each said information is located in a particular position within said string of information which corresponds to a position within said string of data where one of said plurality of data items which is associated with each
- 15 said information is located.

11. The product according to claim 10, further comprising:

- instruction means for determining a position within
- 20 said string of data of a first one of said plurality of data items;

 instruction means for utilizing said position to determine an index; and

- instruction means for locating information
- 25 associated with said first one of said plurality of data items utilizing said index.

12. The product according to claim 11, further comprising:

- 30 instruction means for determining said position within said string of data of said first one of said

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plurality of data items utilizing a Java script executing on said client computer system;

instruction means for utilizing said position to determine an index utilizing said Java script executing
5 on said client; and

instruction means for locating information, utilizing said Java script executing on said client, associated with said first one of said plurality of data items utilizing said index.

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13. The product according to claim 8, further comprising:

instruction means for requesting, utilizing said client computer system, said data entry form from said
15 server computer system; and

instruction means for downloading said data entry form from said server computer system to said client computer system.

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14. The product according to claim 8, further comprising:

instruction means for displaying said data entry form utilizing a web browser executing on said client computer system; and

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instruction means for retrieving information related to said one of said plurality of data items from said data entry form utilizing a Java script executing on said client computer system.

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15. A client computer system coupled to a server computer system for efficiently retrieving information,

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said server computer system including a database storing a plurality of data items and unique information associated with each one of said plurality of data items, comprising:

- 5 said client computer system for displaying a data entry form which includes a plurality of fields;
 said client computer system for receiving input data for one of said plurality of fields, said input data being one of said plurality of data items;
- 10 said client computer system for retrieving information related to said one of said plurality of data items from said data entry form without accessing said database; and
- said client computer system for displaying said
15 information utilizing said data entry form.

16. The system according to claim 15, further comprising:

- 20 said server computer system for storing a plurality of data items in a first field which is hidden in said data entry form, said first field being invisible to users; and
- said server computer system for storing unique information associated with said plurality of data items
25 in a second field which is hidden in said data entry form, said second field being invisible to users.

17. The system according to claim 16, further comprising:

- 30 said server computer system for storing a string of data items, said string of data items including said

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plurality of data items, each one of said plurality of data items being separated by delimiters, wherein each one of said plurality of data items is located in a particular position within said string of data; and

5 said server computer system for storing a string of information, said string of information including said information associated with each one of said plurality of data items, wherein said information in said string of information is separated by delimiters, further wherein
10 each said information is located in a particular position within said string of information which corresponds to a position within said string of data where one of said plurality of data items which is associated with each said information is located.

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18. The system according to claim 17, further comprising:

20 said client computer system for determining a position within said string of data of a first one of said plurality of data items;

 said client computer system for utilizing said position to determine an index; and

25 said client computer system for locating information associated with said first one of said plurality of data items utilizing said index.

19. The system according to claim 18, further comprising:

30 a Java script for determining said position within said string of data of said first one of said plurality of data items;

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said Java script for utilizing said position to determine an index; and

said Java script for locating information associated with said first one of said plurality of data items
5 utilizing said index.

20. The system according to claim 15, further comprising:

said client computer system for requesting said data
10 entry form from said server computer system; and

said server computer system for downloading said data entry form from said server computer system to said client computer system.

15 21. The system according to claim 15, further comprising:

a web browser executing on said client for displaying said data entry form; and

a Java script executing on said client for
20 retrieving information related to said one of said plurality of data items from said data entry form.